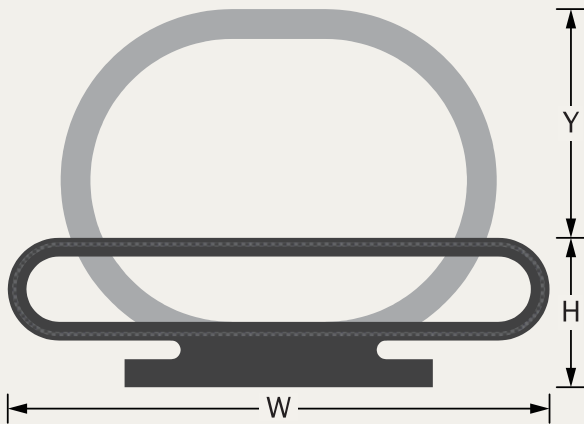




The PRS590 molded, fabric-reinforced inflatable profile is our largest Type 1 profile available. This cross-section is designed for ease of mechanical retention (see retainer tab), and its footed profile allows the bulb portion to cover a fairly large gap. We only recommend using this profile for large seals or clamps.

Drawings [PDF](#) [DWG](#) [SAT](#)

Profile Details

Style S (Smooth)

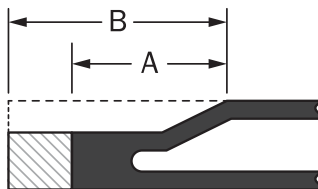
Dimensions

Width (W)		Height (H)		Gap (Y)	
in	mm	in	mm	in	mm
7.250	184.15	2.062	52.3748	3.000	76.2

Standard Operating Pressure

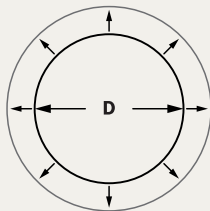
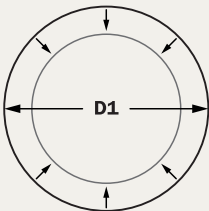
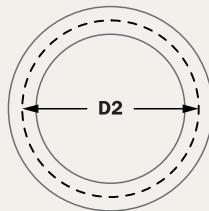
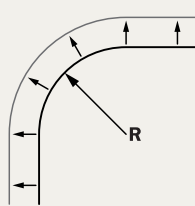
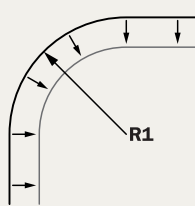
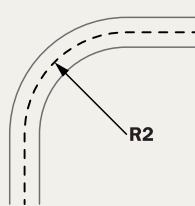
Minimum		Maximum	
psi	bar	psi	bar
20.00	1.379	45.00	3.103

Boot Dimensions and Minimum Straight Length



	in	mm
Boot Dimension A	5.500	139.700
Boot Dimension B	9.500	241.300
Minimum Straight Length	12.000	304.800

Minimum Dimensions for Radial and Axial Expansion

 Radial Expansion Out (D is constant) <table><tr><td>0.000 in</td><td>0 mm</td></tr></table>	0.000 in	0 mm	 Radial Expansion In (OD is constant) <table><tr><td>0.000 in</td><td>0 mm</td></tr></table>	0.000 in	0 mm	 Axial Expansion (CL is constant) <table><tr><td>0.000 in</td><td>0 mm</td></tr></table>	0.000 in	0 mm
0.000 in	0 mm							
0.000 in	0 mm							
0.000 in	0 mm							
 Radial Expansion Out (D is constant) <table><tr><td>0.000 in</td><td>0 mm</td></tr></table>	0.000 in	0 mm	 Radial Expansion In (OD is constant) <table><tr><td>0.000 in</td><td>0 mm</td></tr></table>	0.000 in	0 mm	 Axial Expansion (CL is constant) <table><tr><td>0.000 in</td><td>0 mm</td></tr></table>	0.000 in	0 mm
0.000 in	0 mm							
0.000 in	0 mm							
0.000 in	0 mm							

Materials

Standard Materials

None

Special Materials (Special Setup Charges May Apply)

<u>E603A (C/U)</u>	60 Durometer EPDM for High Quality, High Flex Life Applications (For All Configurations)
--------------------	---

Air Connectors

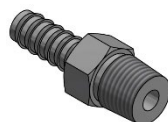
AC3A Reinforced Hose with Crimped Ferrule Adapter

**TYPE1.AC3A***Base Reinforced Hose Detail*[PDF](#)**TYPE1.AC3AE***End Reinforced Hose Detail*[PDF](#)

AC3B Reinforced Hose with Female Seal Adapter

**TYPE1.AC3B***Base Reinforced Hose Detail*[PDF](#)**TYPE1.AC3BE***End Reinforced Hose Detail*[PDF](#)

ACFIT Hose Fittings

**PI KF03-02 PS***Male 1/8-27 NPT Fitting*[PDF](#)**PRV14779.002***1/8-27 NPT Connector, Stainless Steel*[PDF](#)

Retainers



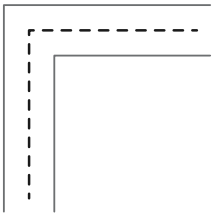
PR36494

*Retainer Groove Dimensions for
PRS590*

[PDF](#)

Tooling

SQR



90 Degree Square Corner Molds for Axial Expansion

PRS590-SQR-0

Square corners for axial expansion